



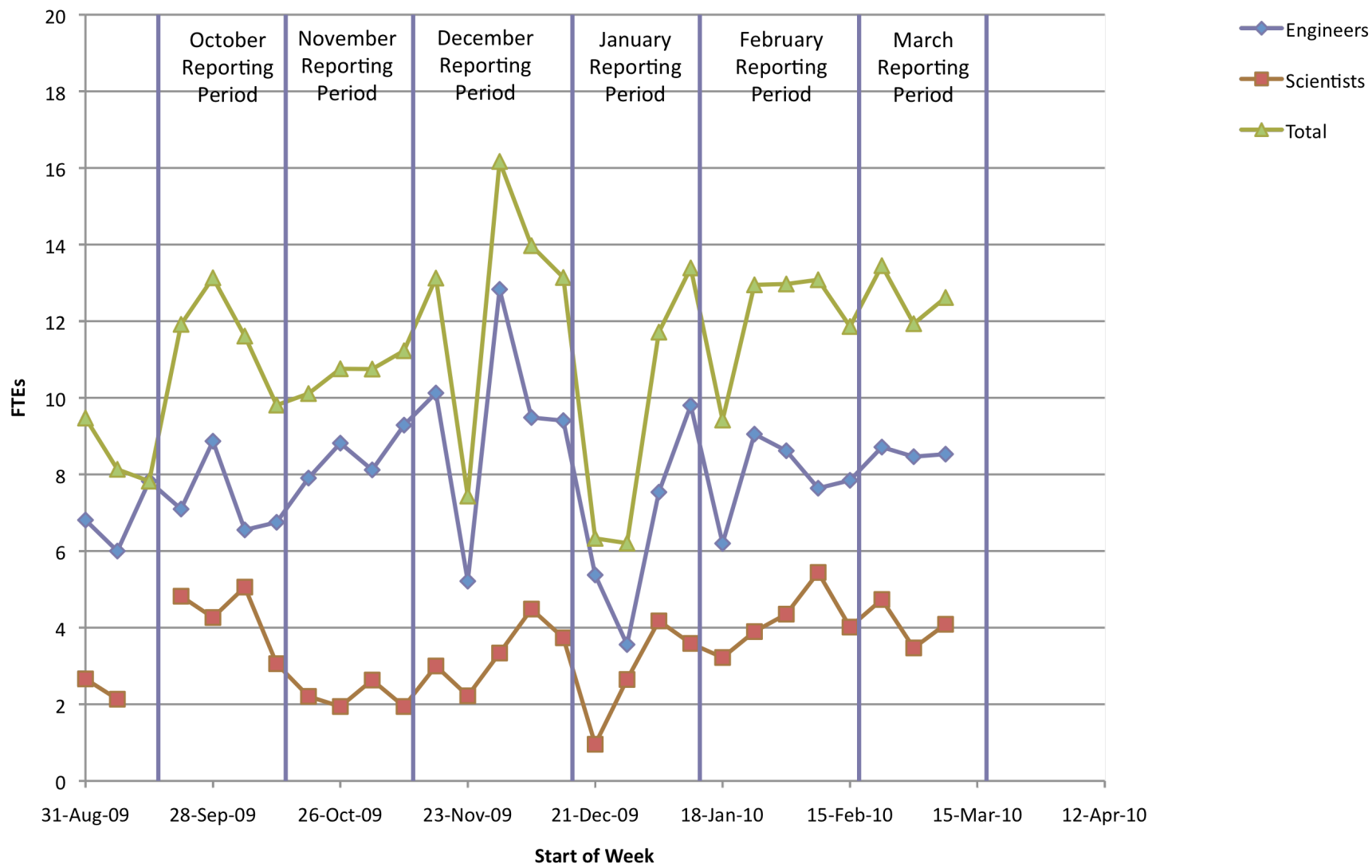
# Accelerator & NuMI Upgrade Status

Paul Derwent

23 March 2010



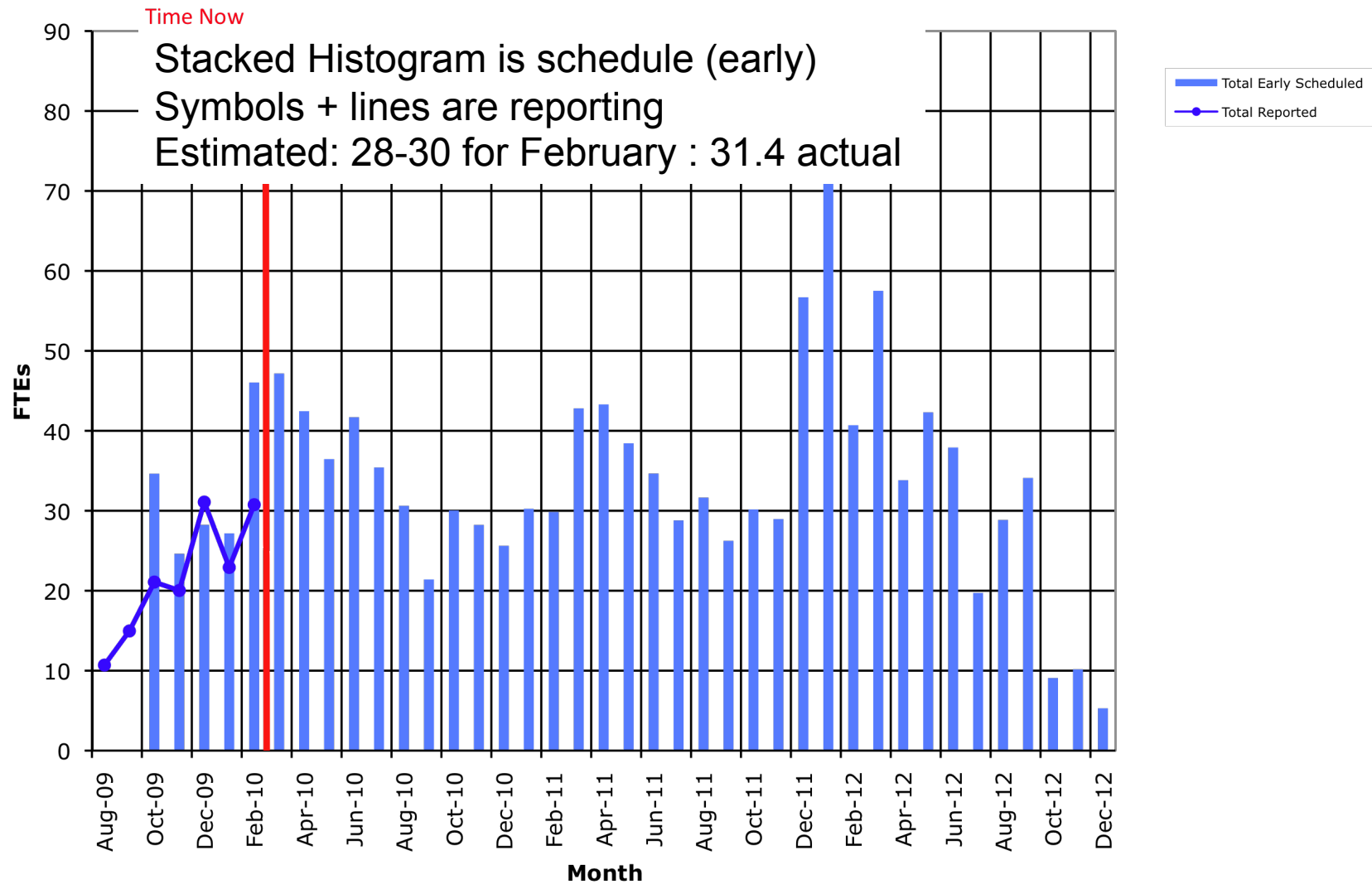
## Engineers & Scientists FTE by week



FTE := 34 hours/week



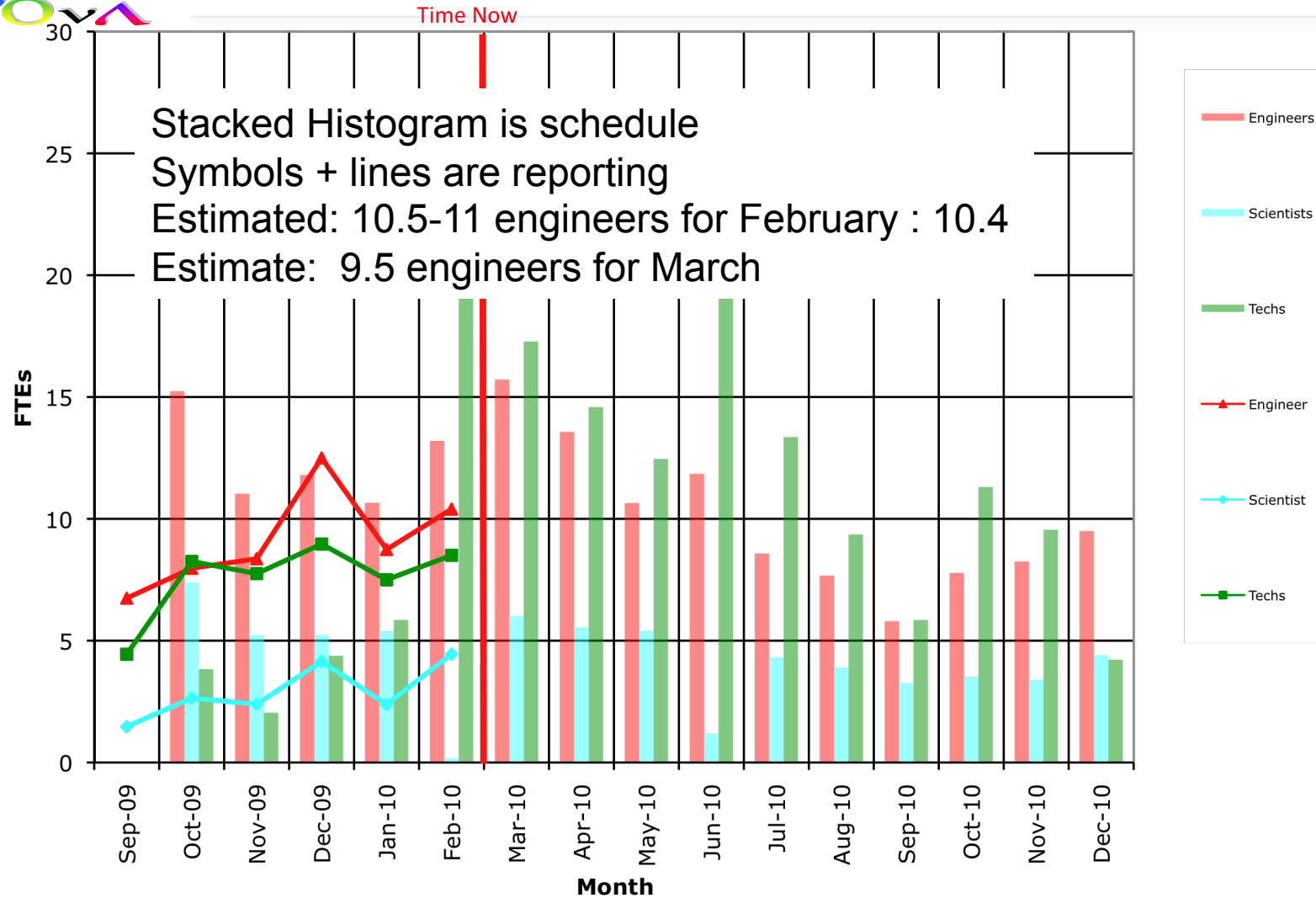
## ANU Resource Requirements



FTE := 147.3 hours/month



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# Technical Progress

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- RKA09 and RKA10 assembly begun: RR Injection kicker magnets, same as GCK design
- ADC\_W ramping measurements:
  - Will need to actively cool the beam pipe
  - Information necessary for switch magnet power supply design to start
- RKB (full turn kicker, used in 3 systems) progressing
  - Parts being ordered for prototype magnet
- Injection Bumper PS design begun
  - Baseline: February 09, Replan: Mar 10
  - Was waiting on return of engineer from CERN
- MI 39 and MI 14 service buildings being outfitted
  - Racks, cables, etc
  - Usable space for installation and testing
- Completed 3 milestones (design reviews)



# Design Reviews

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- Target/Baffle/Carrier Initial Design Review
  - “The amount of work that has been accomplished and the combined knowledge of everyone involved about all aspects of this project are impressive. This bodes very well for successful completion of the Nova target system as outlined in the review documentation.”
  - “Keeping people on the project regardless of the lab's continual competition for resources will be critical to successfully meeting the existing schedule. This should be stressed by project management at every opportunity.”
- Recycler 53 MHz RF Design Review
  - Strong technical suggestions to address
    - Specifications and performance
  - “With the existing staffing, it is highly unlikely cavities will be fabricated by end of 2011.”
    - Need to assign RF engineer for specific design tasks
      - Is in the schedule, I missed this assignment last fall.
    - Mechanical Engineering support needs to ramp up
  - Will have to stay on top of these tasks
- MLA\_W Design Review:
  - Ready for procurement



# Resource allocation

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- From my regular discussions with dept heads and managers
- “people feeling a bit squeezed with operations and projects”
- “trying to support NOvA & operations & LBNE requests”
  - Staying involved and on top of conflicts
- May do some prioritizing on ANU tasks for people with multiple assignments



# Summary

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- Resources being tracked
  - Labor CPI has been positive: 1.21 (\$), 1.27 (hours) through 'February'
  - Resolve/understand conflicts (operations, LBNE) before they arise
- **Resources at the level necessary to sustain project in FY10**
  - From last meeting's minutes:  
"We're always in danger of slipping. However, we have a firm commitment from the accelerator division (AD). The AD managers understand the priorities and those doing the work at all levels also understand those priorities."
- Scheduled ready for shutdown:
  - 6 Dec 2011: no change since September Status
  - 55 days of float to 1 Mar 2012